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(FILE 'HOME' ENTERED AT 20:29:46 ON 04 MAR 2008)

FILE 'REGISTRY' ENTERED AT 20:30:01 ON 04 MAR 2008

E OLEOYLETHANOLAMIDE/CN

L1 1 S E3

E RIMONABANT/CN

L2 1 S E3

FILE 'CAPLUS, USPATFULL, USPATOLD, USPAT2' ENTERED AT 20:31:44 ON 04 MAR 2008

L3 453 S L1

L4 528 S L2

L5 0 S L3 (L) L4

L6 13 S L3 AND L4

L7 4 S L6 AND PD<2003

L7 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1999:763837 CAPLUS <<LOGINID::20080304>>
 DOCUMENT NUMBER: 132:460
 TITLE: Control of pain with endogenous cannabinoids
 INVENTOR(S): Calignano, Antonio; La Rana, Giovanna; Giuffrida,
 Andrea; Piomelli, Daniele
 PATENT ASSIGNEE(S): Neurosciences Research Foundation, Inc., USA
 SOURCE: PCT Int. Appl., 29 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|-----------------|-----------------|--------------|
| WO 9960987 | A2 | 19991202 | WO 1999-US11905 | 19990528 <-- |
| WO 9960987 | A3 | 20000127 | | |
| W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW | | | | |
| RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| CA 2330681 | A1 | 19991202 | CA 1999-2330681 | 19990528 <-- |
| EP 1082292 | A2 | 20010314 | EP 1999-930125 | 19990528 <-- |
| EP 1082292 | B1 | 20050928 | | |
| R: CH, DE, FR, GB, IT, LI, SE | | | | |
| US 6348498 | B1 | 20020219 | US 1999-322843 | 19990528 <-- |
| JP 2002516262 | T | 20020604 | JP 2000-550448 | 19990528 <-- |
| AU 776414 | B2 | 20040909 | AU 1999-46729 | 19990528 |
| EP 1645270 | A2 | 20060412 | EP 2005-76838 | 19990528 |
| EP 1645270 | A3 | 20060531 | | |
| R: CH, DE, FR, GB, IT, LI, SE | | | | |
| US 2002173550 | A1 | 20021121 | US 2002-54394 | 20020122 <-- |
| US 6656972 | B2 | 20031202 | | |
| PRIORITY APPLN. INFO.: | | | | |
| | | US 1998-87289P | P 19980529 | |
| | | EP 1999-930125 | A3 19990528 | |
| | | US 1999-322843 | A1 19990528 | |
| | | WO 1999-US11905 | W 19990528 | |

AB Novel pharmaceutical therapeutic compns. and methods for using same for the treatment of pain experienced by an individual are provided. The compns. contain at least one member selected from among anandamide and palmitylethanolamide. The role of CB1 and CB2 receptors, resp., in the analgesic actions of anandamide and palmitylethanolamide as well as synergistic analgesic interactions between these two substances are discussed.

L7 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1999:201257 CAPLUS <<LOGINID::20080304>>
 DOCUMENT NUMBER: 131:29972
 TITLE: Inhibition of sea urchin fertilization by fatty acid ethanlamides and cannabinoids

AUTHOR(S): Berdyshev, Evgeni V.
 CORPORATE SOURCE: Institute of Marine Biology, Vladivostok, 690041,
 Russia
 SOURCE: Comparative Biochemistry and Physiology, Part C:
 Pharmacology, Toxicology & Endocrinology (1999
), 122C(3), 327-330
 CODEN: CBPCEE; ISSN: 0742-8413
 PUBLISHER: Elsevier Science Inc.
 DOCUMENT TYPE: Journal
 LANGUAGE: English

AB The influence of saturated and unsatd. fatty acid ethanolamides as well as Δ9-tetrahydrocannabinol (Δ9-THC), WIN 55,212-2 and cannabinoid CB1 receptor antagonist SR 141716 on sea urchin fertilization was studied. The ethanolamides of arachidonic, oleic and linoleic acids but not saturated fatty acid (C14-C20) derivs. inhibited fertilization when pre-incubated with sperm cells. Δ9-THC and WIN 55,212-2 also inhibited fertilization, Δ9-THC being ten times as potent as WIN 55,212-2. Selective cannabinoid CB1 receptor antagonist SR 141716 also blocked fertilization and did not antagonize the action of Δ9-THC. The obtained results indicate that different unsatd. fatty acid ethanolamides may control sea urchin fertilization, and that sea urchin sperm cell cannabinoid receptor may differ from the known cannabinoid receptor subtypes.

REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 3 OF 4 USPATFULL on STN
 ACCESSION NUMBER: 2002:308422 USPATFULL <<LOGINID::20080304>>
 TITLE: Control of pain with endogenous cannabinoids
 INVENTOR(S): Calignano, Antonio, Naples, ITALY
 La Rana, Giovanna, Naples, ITALY
 Guiffrida, Andrea, Laguna Beach, CA, UNITED STATES
 Piomelli, Daniele, Irvine, CA, UNITED STATES

| | NUMBER | KIND | DATE | |
|-----------------------|---|------|---------------|-----|
| PATENT INFORMATION: | US 2002173550 | A1 | 20021121 | <-- |
| | US 6656972 | B2 | 20031202 | |
| APPLICATION INFO.: | US 2002-54394 | A1 | 20020122 (10) | |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 1999-322843, filed on 28 May 1999, GRANTED, Pat. No. US 6348498 | | | |

| | NUMBER | DATE |
|--|---|---------------|
| PRIORITY INFORMATION: | US 1998-87289P | 19980529 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | Stephen T. Scherrer, McDermott, Will & Emery, 227 West Monroe Street, Chicago, IL, 60606-5096 | |
| NUMBER OF CLAIMS: | 15 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 6 Drawing Page(s) | |
| LINE COUNT: | 621 | |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. | | |
| AB | Novel pharmaceutical therapeutic compositions and methods for using same for the treatment of pain experienced by an individual are provided. The | |

compositions contain at least one member selected from among anandamide and palmitylethanolamide

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 4 OF 4 USPATFULL on STN
ACCESSION NUMBER: 2002:34468 USPATFULL <<LOGINID::20080304>>
TITLE: Control of pain with endogenous cannabinoids
INVENTOR(S): Calignano, Antonio, Naples, ITALY
La Rana, Giovanna, Naples, ITALY
Guiffrida, Andrea, Laguna Beach, CA, United States
Piomelli, Daniele, Irvine, CA, United States
PATENT ASSIGNEE(S): Neurosciences Research Foundation, Inc., San Diego, CA,
United States (U.S. corporation)

| | NUMBER | KIND | DATE | |
|---------------------|----------------|------|--------------|-----|
| PATENT INFORMATION: | US 6348498 | B1 | 20020219 | <-- |
| APPLICATION INFO.: | US 1999-322843 | | 19990528 (9) | |

| | NUMBER | DATE |
|-----------------------|---|---------------|
| PRIORITY INFORMATION: | US 1998-87289P | 19980529 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | GRANTED | |
| PRIMARY EXAMINER: | Krass, Frederick | |
| LEGAL REPRESENTATIVE: | McDermott, Will & Emery | |
| NUMBER OF CLAIMS: | 10 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 13 Drawing Figure(s); 6 Drawing Page(s) | |
| LINE COUNT: | 679 | |

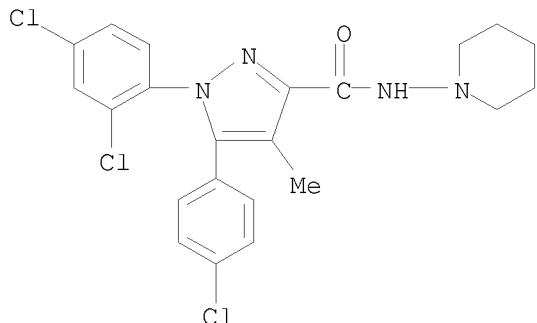
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Novel pharmaceutical therapeutic compositions and methods for using same for the treatment of pain experienced by an individual are provided. The compositions contain at least one member selected from among anandamide and palmitylethanolamide.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 168273-06-1 REGISTRY
 ED Entered STN: 03 Oct 1995
 CN 1H-Pyrazole-3-carboxamide, 5-(4-chlorophenyl)-1-(2,4-dichlorophenyl)-4-methyl-N-1-piperidinyl- (CA INDEX NAME)
 OTHER NAMES:
 CN 1-(2,4-Dichlorophenyl)-5-(4-chlorophenyl)-4-methyl-N-(piperidin-1-yl)-1H-pyrazole-3-carboxamide
 CN 5-(4-Chlorophenyl)-1-(2,4-dichlorophenyl)-4-methyl-1H-pyrazole-3-carboxylic acid N-(piperidin-1-yl)amide
 CN A 281
 CN Acomplia
 CN N-Piperidino-5-(4-chlorophenyl)-1-(2,4-dichlorophenyl)-4-methylpyrazole-3-carboxamide
 CN Rimonabant
 CN SR 141716
 DR 948565-21-7
 MF C22 H21 Cl13 N4 O
 CI COM
 SR CA
 LC STN Files: ADISINSIGHT, AGRICOLA, ANABSTR, BIOSIS, CA, CAPLUS, CASREACT, CHEMCATS, CIN, CSCHEM, EMBASE, IMSDRUGNEWS, IMSPATENTS, IMSPRODUCT, IMSRESEARCH, IPA, MRCK*, PATDPASPC, PROMT, PROUSDDR, PS, RTECS*, TOXCENTER, USAN, USPAT2, USPATFULL
 (*File contains numerically searchable property data)



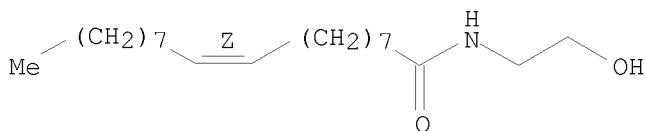
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

422 REFERENCES IN FILE CA (1907 TO DATE)
 5 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 424 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 111-58-0 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN 9-Octadecenamide, N-(2-hydroxyethyl)-, (9Z)- (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 9-Octadecenamide, N-(2-hydroxyethyl)-, (Z)-
 CN Oleamide, N-(2-hydroxyethyl)- (6CI, 7CI, 8CI)
 OTHER NAMES:
 CN AM 3101
 CN N-(2-Hydroxyethyl)oleamide
 CN N-Oleoyl-2-aminoethanol
 CN N-Oleoylethanolamine
 CN Oleamide MEA
 CN Oleic acid ethanalamide
 CN Oleic acid monoethanalamide
 CN Oleoylethanolamide
 FS STEREOSEARCH
 MF C20 H39 N O2
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS,
 CASREACT, CHEMCATS, CHEMLIST, CSCHEM, IFICDB, IFIPAT, IFIUDB, MEDLINE,
 RTECS*, TOXCENTER, USPAT2, USPATFULL, USPATOLD
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

358 REFERENCES IN FILE CA (1907 TO DATE)
 17 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 361 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 16 REFERENCES IN FILE CAOLD (PRIOR TO 1967)